

Quality management

At Draka Interfoam we stand for our quality and will always strive for perfection. We are ISO 9001-2015 certified and use our expertise to improve production processes and products. We work closely with renowned institutions such as LGA and TNO.

We are certified for implementing an environmentally friendly production process, improving health and safety and promoting socially responsible working conditions according to the following modules; Environment, Health and safety, Social Responsibility, Quality management and Chemical management.

All our foams are tested according to the generally applicable ISO and/or DIN standards, supplemented with country-specific requirements and conditions.



Oeko-Tex STEP certificates

In addition to the Oeko-Tex Standard 100 certification, we have now also received the STEP certificate. STEP stands for "independent certification system for transparent and sustainable textile and leather production."

These two labels combined make our products "Oeko-Tex - MADE IN GREEN".



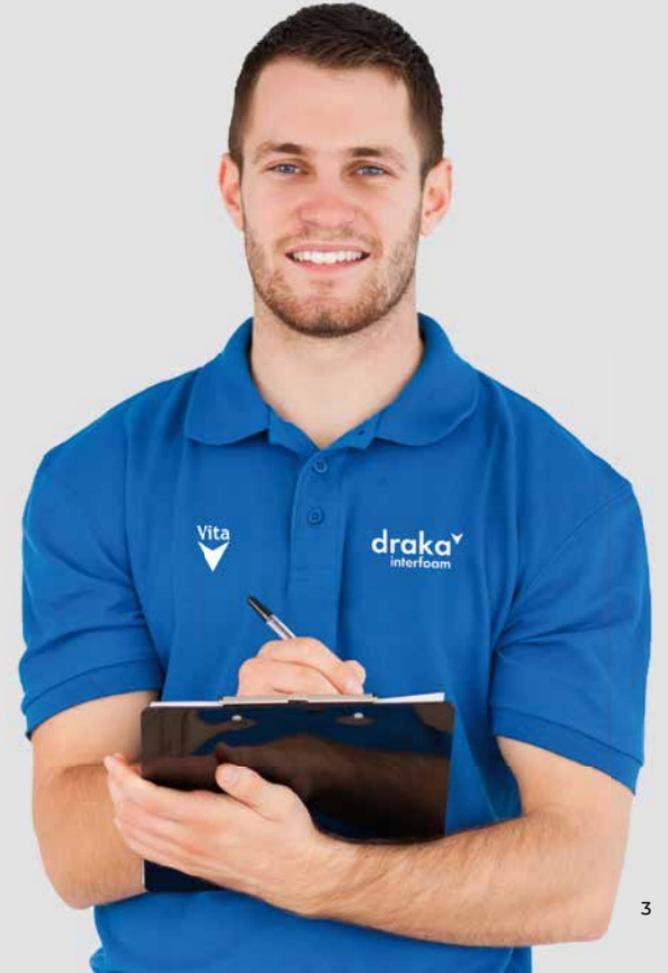
Draka Interfoam, Your partner in **performance**

At Draka Interfoam we produce and deliver high-quality foams where service is an important part of the delivery package. With years of experience behind us we enjoy long-term collaboration with our clients and ensure that the foam materials and assembled products offer maximum performance within the often demanding end-user applications.

Our added **value**

Draka Interfoam supplies a wide selection, ranging from low densities of soft foams to high densities of hard foams, in a density range of 17 kg/m³ to 70 kg/m³.

With Draka Interfoam, end products can be made of different price-quality combinations. In addition to a direct delivery of foam, where required we also assemble material which can include operations such as cutting, contouring, gluing and packaging. We are also able to supply foam on rolls. Where your requirements fall outside the specifications of our grades, our R&D department will also engineer customised foam. Together, we can develop polyether foams that meet your specific requirements.



Explanation blockcode

Our foam qualities are sorted by final number

- 0 = Conventional foam
- 3 = Conventional foam complies FMVSS302/California 117 version 2013
- 4 = Halogen free foam
- 5 = Hybrid foam
- 6 = Cellflex foam
- 7 = High Resillience foam
- 8 = High Resillience foam
- 9 = Combustion Modified High Resillience foam

Testing methods

- ISO 845 Density
- ISO 1798 Tensile strength & elongation at break
- ISO 1856 Compression set
- ISO 2439 B 40% Indentation hardness
- ISO 3386 (kPa) Compression hardness
- ISO 3795* Flammability
- ASTM D1564 Ball rebound
- * ISO 3795 = FMVSS302



Industry standard

- Polyether
- HR foam
- Visco foam

Special foams

- Pantera
- Pantera Nautic
- Cellflex
- Harmony

Special functions

- CMHR / Safety foam
- Medical foam
- HIC foam

Conventional polyether foam

Draka Interfoam has a wide range of conventional polyethers that vary in specific weight from 23 kg/m³ to 60 kg/m³ and in hardness ranging from 1.5 kPa to 8 kPa. Draka foam is characterized as a foam with a round and even cell structure. Draka Interfoam also has flame-retardant conventional polyethers that meet the FMVSS 302 standard.

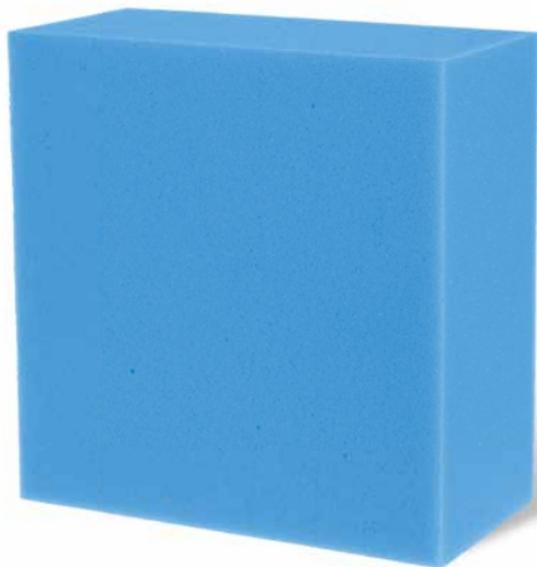
Low density foam

Our series of polyether grades with a specific weight of 16 to 30 kg/m³. The hardness ranges from approximately 1 to 4 kPa. By adding recycled CO₂ (additional blowing agent) it is possible to produce these low densities in an environmentally responsible manner.

Polyether

Draka code	Type	Density ISO 845 kg/m ³	Hardness ISO 2493B 40% N ***	Hardness ISO 3386 40% kPa	Colour	Fire Behaviour	OEKO-TEX® 100
7210	T 1717	17	70	1,7	White		Ann 6 (Class I)
7230	T 1725	17	100	2,4	White		Ann 6 (Class I)
7500	T 2015	20	65	1,6	White		Ann 6 (Class I)
7530	T 2027	20	120	2,8	White		Ann 6 (Class I)
7610	T 2120	21	90	2,2	White		Ann 6 (Class I)
7830	T 2335	23	125	3,3	White		Ann 6 (Class I)
7930	T 2440	24	160	4,0	White		Ann 6 (Class I)
8000	T 2513	25	50	1,5	White		Ann 6 (Class I)
8010	T 2520	25	90	2,0	White		Ann 6 (Class I)
8030	T 2540	25	160	4,0	Black		Ann 6 (Class I)
8060	T 2560	25	240	5,9	White		Ann 6 (Class I)
8240	T 2740	27	160	4,0	White		Ann 6 (Class I)
8243	T 2741	27	160	4,0	Black	FMVSS 302	Ann 4 (Class II)
8510	T 3030	30	135	3,3	Pink		Ann 6 (Class I)
8520	T 3040	30	160	4,0	White		Ann 6 (Class I)
8550	T 3050	30	200	5,5	White		Ann 6 (Class I)
9010	T 3530	35	135	3,4	Blue		Ann 6 (Class I)

*** Typical values



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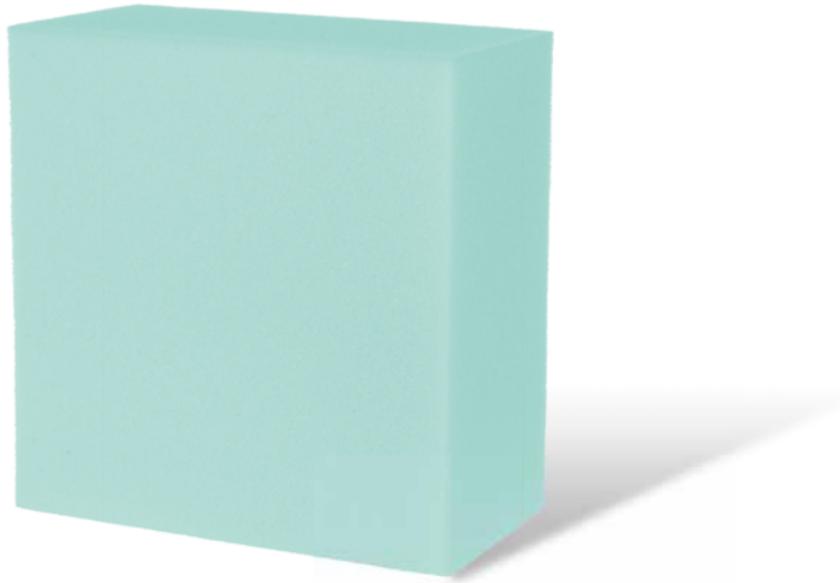
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Polyether

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9030	T 3545	35	180	4,5	Blue		Ann 6 (Class I)
9040	T 3555	35	220	5,5	Blue		Ann 6 (Class I)
9350	T 3870	38	280	7,0	White		Ann 6 (Class I)
10540	T 5050	50	230	5,7	White	Cal 117 (2013)	Ann 6 (Class I)
11050	T 5570	55	300	7,5	White	Cal 117 (2013)	Ann 6 (Class I)

*** Typical values



High Resilience foam

HR Polyether (High Resilience), is a durable polyether foam with a very high resilience. The product is characterized by a differentiated cell structure with broken cell walls, from which this type of polyether derives its high comfort and ventilation properties. Within the HR-Polyether range we have various types that meet the California TB 117 (2013) and FMVSS 302 standard.

High Resilience (HR)

Draka code	Type	Density ISO 845 kg/m ³	Hardness ISO 2493B 40% N ***	Hardness ISO 3386 40% kPa	Colour	Comment Automotive/Domestic	OEKO-TEX® 100
7808	HR 2315	23	65	1,5	White	Cal. 117 (2013)	Ann 6 (Class I)
8108	HR 2618	26	80	1,9	White	FMVSS 302 / M4	Ann 4 (Class II)
8508	HR 3020	30	90	2,2	Beige	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
8628	HR 3137	31	150	3,7	White	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
9018	HR 3530	35	125	3,0	Yellow	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
9038	HR 3544	35	190	4,5	Yellow	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
9318	HR 3836	38	150	3,6	White	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
9518	HR 4030	40	125	3,2	Green	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
9528	HR 4040	40	160	4,0	White	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
9538	HR 4050	40	190	4,8	White	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
9928	HR 4440	44	165	4,2	White	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)

*** Typical values

Visco-elastic foams

Draka Interfoam has a wide range of visco-elastic foams in various densities ranging from 45 kg/m³ to around 80 kg/m³. These qualities are extremely suitable for the production of pillows and mattress top cover plates. Visco-elastic foams have been specially developed to distribute body weight, absorb energy and regulate heat.

The visco-elastic grades have a low temperature sensitivity and offer an optimum pressure distribution on the area of contact at any temperature. This means that our foams maintain their optimum (visco-elastic) characteristic within a wide temperature range. In other words, even at lower room temperatures, these grades still feel supple. The higher densities have been specially developed for situations where reduction of pressure points on the body, moisture and heat regulation in combination with comfort are of importance. This is particularly important in the prevention of pressure ulcers. The pressure distribution can be further optimized in combination with our Pantera®, Cellflex® or Harmony™ grades.

Visco Elastic Foam

Draka code	Type	Density ISO 845 kg/m ³	Hardness ISO 2493B 40% N ***	Hardness ISO 3386 40% kPa	Colour	Fire Behaviour	OEKO-TEX® 100
Lazy Foam® S50	S50	50	55	0.8 - 1.9	White		Ann 4 Class II
Vitarest™ VF5015	VF5015	50	49.2 - 70.8	na	Beige	FMVSS 302	Ann 4 Class I
Vitarest™ VE5420	VE5420	54	50 - 80	na	Blue		Ann 4 Class I
Vitarest™ VO5015 *	VO5015	50	48 - 72	na	Green Marble		Ann 4 Class I

* Biopolyol content 15 - 22%

*** Typical values

VitaREST origin
VitaREST



Pantera® top quality foam

Pantera® is our top product specially developed for high-quality products on the market. Pantera scores highly on all the important properties of comfort foam. It distinguishes itself through its durability, consistent quality, and high level of comfort. The dimensional stability of this top product is exceptional and that is why we offer a 7-year guarantee in normal use.

In addition, Pantera complies with California 117A and D as standard with no extra additions, thereby maintaining optimum comfort.

Number 1 for foam in medical applications

The higher densities and the special cell structure, combined with the appropriate zoning, form a proper solution, especially in medical applications. Pantera not only ensures a reduction in the number of pressure points on the body but also has a very high moisture and heat regulation which is significant in the prevention of pressure ulcers.

Pantera®

Draka code	Type	Density ISO 845 kg/m ³	Hardness ISO 2493B 40% N ***	Hardness ISO 3386 40% kPa	Colour	Fire Behaviour	OEKO-TEX® 100
1055	P50	40	65	1,6	Natural	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
1085	P80	50	90	2,2	Marble	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
2100	P100	50	110	2,7	Marble	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
2130	P130	50	140	3,7	Marble	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
3150	P150	50	170	4,3	Marble	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
3170	P170	50	230	5,7	Marble	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)

*** Typical values





Pantera Nautic™

Our Pantera Nautic™ foam has proven that it meets the strict IMO guidelines.

To ensure global safety onboard ships, the United Nations has established the International Maritime Organisation (IMO). This specialised agency ensures that safety and environmental requirements on board are complied with and issue certifications accordingly. An important part of the IMO certification is the FTP- (Fire Test Procedures) code for test procedures for the flammability of surfaces, according to the Marine Equipment Directive (MED).

We are proud that we meet these guidelines with our Pantera Nautic™. Should you wish to receive more information on these guidelines please contact our sales team.

Pantera Nautic®

Draka code	Type	Density ISO 845 kg/m ³	Hardness ISO 2493B 40% N ***	Hardness ISO 3386 40% kPa	Colour	Fire Behaviour	OEKO-TEX® 100	Anti Microbial Behaviour ISO 20743 2013
2100 AM	P100 Nautic	50	110	2,7	Blue Marble	IMO FTP 2010 A1 p 9 / Cal. 117 (2013)	Ann 4 (Class II)	Yes
2130 AM	P130 Nautic	50	140	3,7	Blue Marble	IMO FTP 2010 A1 p 9 / Cal. 117 (2013)	Ann 4 (Class II)	Yes
3150 AM	P150 Nautic	50	170	4,3	Blue Marble	IMO FTP 2010 A1 p 9 / Cal. 117 (2013)	Ann 4 (Class II)	Yes
3170 AM	P170 Nautic	50	230	5,7	Blue Marble	IMO FTP 2010 A1 p 9 / Cal. 117 (2013)	Ann 4 (Class II)	Yes

*** Typical values





Excellent quality, **PU foam**

The Cellflex® grades are high-quality PU foams developed by Draka for the comfort industry. With a soft surface and good support, Cellflex is the perfect solution between our premium product Pantera® and the standard HR foams.

Unique raw materials developed by Draka Interfoam itself, form the basis for the production of this quality. Cellflex is durable due to the high density of the foam and has a fine open cell structure which ensures excellent pressure distribution and good ventilation. In addition, Cellflex is fire retardant according to the FMVSS 302 standard.

Cellflex®

Draka code	Type	Density ISO 845 kg/m ³	Hardness ISO 2493B 40% N ***	Hardness ISO 3386 40% kPa	Colour	Fire Behaviour	OEKO-TEX® 100
9536	C 4045	40	200	4,9	Grey	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
10506	C 5033	50	120	3,0	Ochre	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
10516	C 5042	50	165	4,2	Yellow	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)
10526	C 5050	50	200	5,0	Ochre	FMVSS 302 / Cal. 117 (2013)	Ann 6 (Class I)

*** Typical values

Durable comfort foam

The latest development from Draka Interfoam in comfort foams is the Harmony™ serie. series. The durable Harmony foams have the proven reliability of Polyether foams with the comfort and numerous benefits of HR Foam.

Harmony foams are durable and comfortable due to good resilience and elasticity with excellent dimensional stability. Tests have shown that Harmony is the answer to indentation. The foam is very stretchy with less chance of cracking during production and has excellent ventilation due to the open cell structure.

Currently there are Harmony™ foams within a range of SG35 and SG40 in various hardnesses.



Harmony®

Draka code	Type	Density ISO 845 kg/m ³	Hardness ISO 2493B 40% N ***	Hardness ISO 3386 40% kPa	Colour	Fire Behaviour	OEKO-TEX® 100
9015	HY 3534	35	155	3,6	Green		Ann 6 (Class I)
9025	HY 3542	35	195	4,7	White		Ann 6 (Class I)
9515	HY 4034	40	155	3,7	Green		Ann 6 (Class I)
9525	HY 4045	40	200	5,0	White		Ann 6 (Class I)

*** Typical values



Fireproof foam

Fire safety is an important issue, especially in the project market.

Draka Interfoam has a series of Safety Foam foams made of CMHR polyethers. CMHR products are a further development of the so-called HR (High Resilience) polyether technology that complies with a higher degree of fire resistance. The CMHR foams meet the fire test requirements of the UK SI No. 1324, 1988 (SI no. 2358 Amend 1989), sometimes referred to in the industry as Crib 5 standard.*

* All CMHR grades meet the requirements of Annex 1, part 1: The Furniture and Installation (Fire) (Safety) Regulations UK SI NO. 1324, 1988 (SI No. 2358 AMD 1989) (AMD 1993) and the (lower) requirements California TB 117 (2013) and FMVSS302.

Combustion Modified HR Safety Foam

Draka code	Type	Density ISO 845 kg/m ³	Hardness ISO 2493B 40% N ***	Hardness ISO 3386 40% kPa	Colour	Fire Behaviour	OEKO-TEX® 100
8209	CMHR 2720	27	80	2,0	Beige	Fire retardant *	Ann 4 (Class II)
9029	CMHR 3538	35	150	3,6	Grey	Fire retardant *	Ann 4 (Class II)
9829	CMHR 4340	43	160	4,0	Ochre	Fire retardant *	Ann 4 (Class II)
10529	CMHR 5042	50	180	4,5	White	Fire retardant *	Ann 4 (Class II)
11529	CMHR 6055	60	240	5,9	White	Fire retardant *	Ann 4 (Class II)
12039	CMHR 6580	65	340	8,0	White	Fire retardant *	Ann 4 (Class II)

* CMHR complies with the firetest requirements laid down in UK SI NO. 1324, 1988 (SI No. 2358 Amend 1989)

*** Typical values



Balanced cell structure, perfect lying comfort

The balanced cell structure ensures perfect lying comfort, especially where there is long-term constant load, which is very important for a patient's speedy recovery. The elasticity of the foam in combination with other properties ensure an excellent result in terms of dynamic fatigue.

Our Medical Foam™ foam meets the Crib5 fire standards and is demonstrably provided with a biocide that prevents the formation of bacteria and fungi. In short, you have a unique product in our Medical Foam™ foam with an appropriate response where safety and a speedy recovery are of the essence.

Draka Interfoam is constantly developing new foams and new possibilities and applications.

Medical Foam™

Draka code	Type	Density ISO 845 kg/m ³	Hardness ISO 2493B 40% N ***	Hardness ISO 3386 40% kPa	Colour	Behaviour	OEKO-TEX® 100
11029	CMHR 5535	55	145	3,5	Blue	Fire retardant * / Anti Microbial	Ann 4 (Class II)

* Medical foam complies with the firetest requirements laid down in UK SI NO. 1324, 1988 (SI No. 2358 Amend 1989)

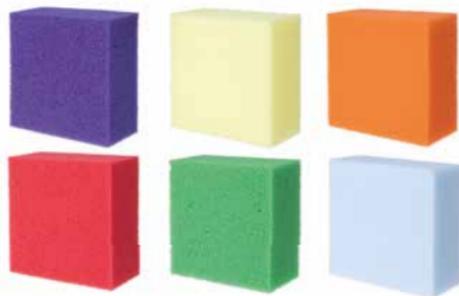
*** Typical values



Foam with **intense colours**

Spring mats and pitfalls (Foam pits) in sport and Jump halls, cleaning sponges, special branding; everything is possible with our HIC™ Foams.

From a light pastel hue to an intense red or orange, all colours are possible and can be discussed. Complete blocks, rolls or ready-cut material, please contact us to discuss your requirements.



High Intensive Colour Foam (HIC™)

Draka code	Type	Density ISO 845 kg/m ³	Hardness ISO 2493B 40% N ***	Hardness ISO 3386 40% kPa	Colour	Fire Behaviour	OEKO-TEX® 100
7130	T 1621	16	90	2,3	Several basic colours		
7830	T 2335	23	125	3,4	Several basic colours		
8108	H 2618	26	80	1,9	Several colours	FMVSS 302 / M4	

*** Typical values

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